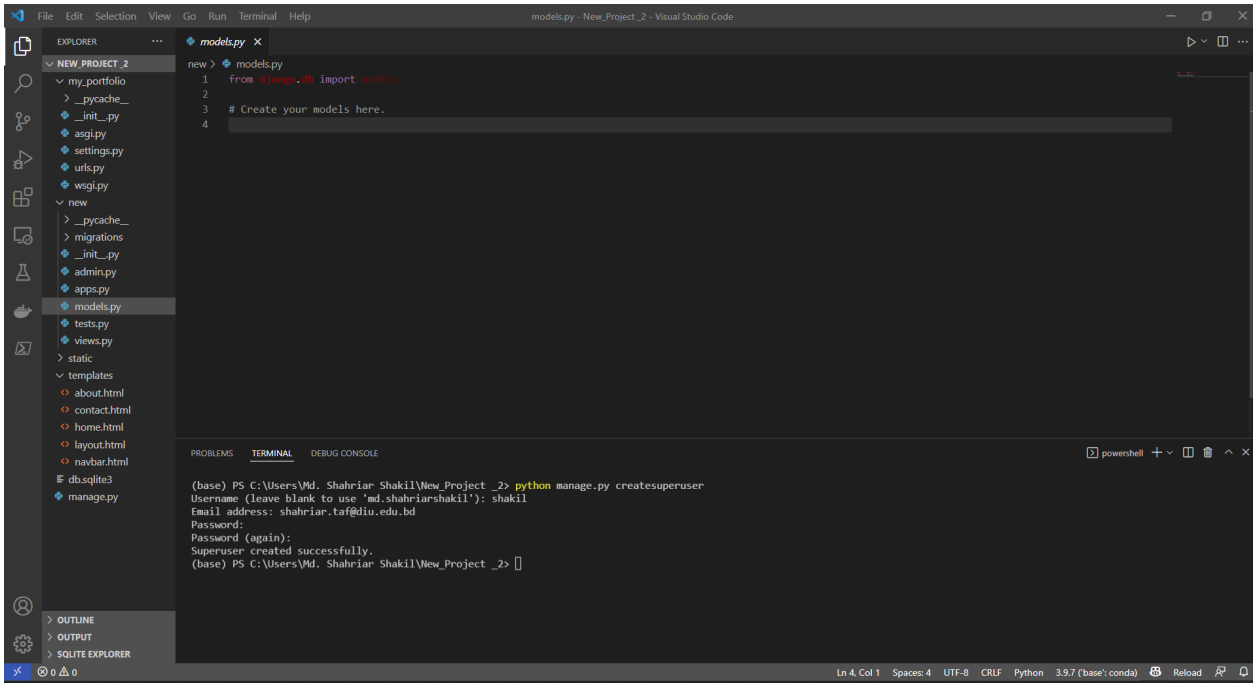
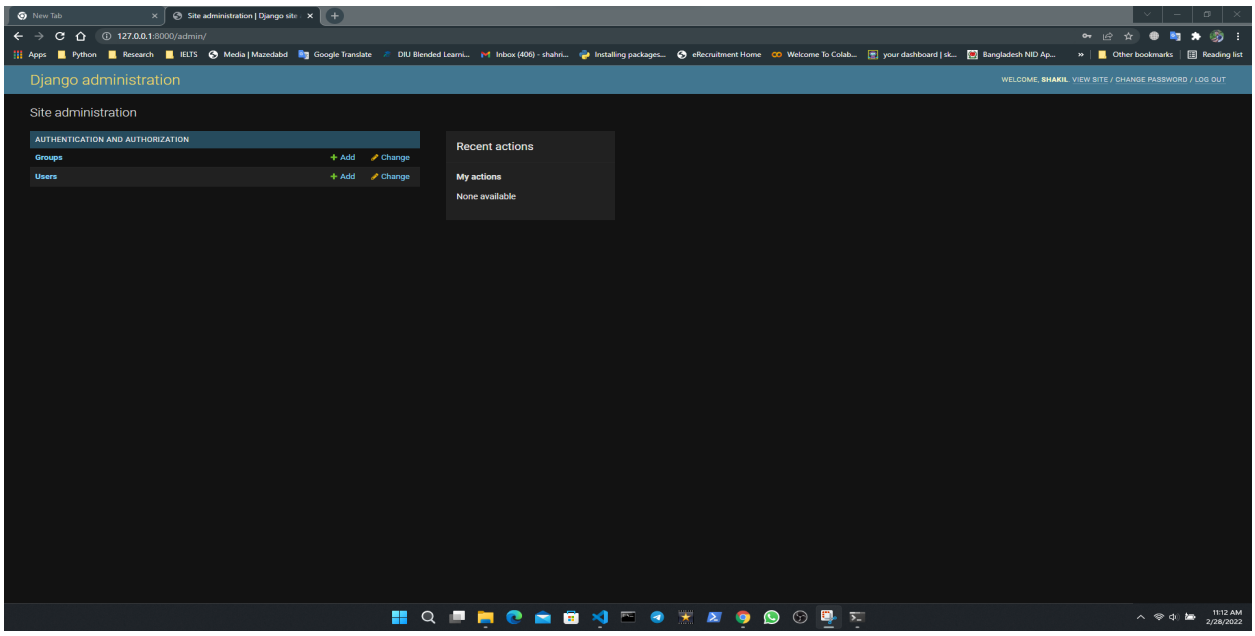
Lab-5

Model Create, Admin Page, POST Method & Sqlite

1. Now we see how we can access the admin page of any Django project-
    i. python manage.py createsuperuser
    ii. Then set username, email & password.



    iii. Go to http://127.0.0.1:8000/admin & log in with your username, password.
    iv. After logging in, we will find like this page-

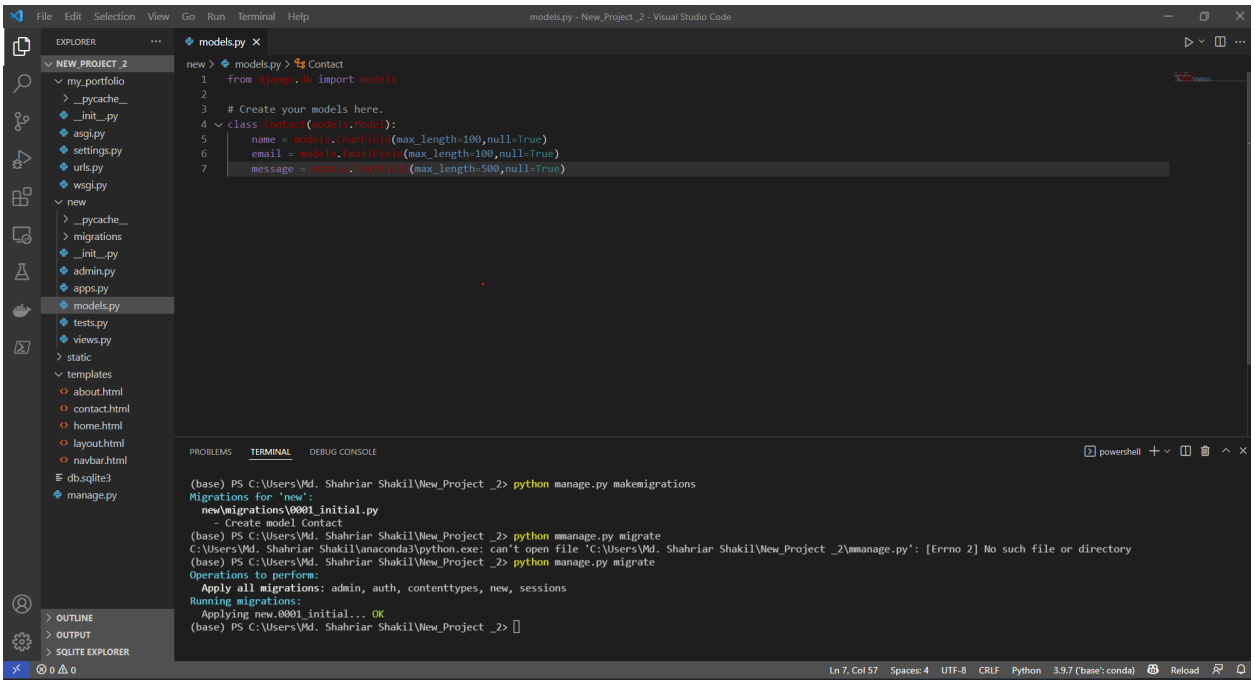


2. Now we see how we can create a table in the database-
    a. Go to our app **new>model.py**
        i. Create a class that is the name of the table of our database.

```
class Contact(models.Model):
    name = models.CharField(max_length=100,null=True)
    email = models.EmailField(max_length=100,null=True)
    message = models.TextField(max_length=500,null=True)
```

        ii. Here Contact is the table name. And the name, email, & message is the field of our table.
        iii. Then in the terminal, we type-

            python manage.py makemigrations
            python manage.py migrate

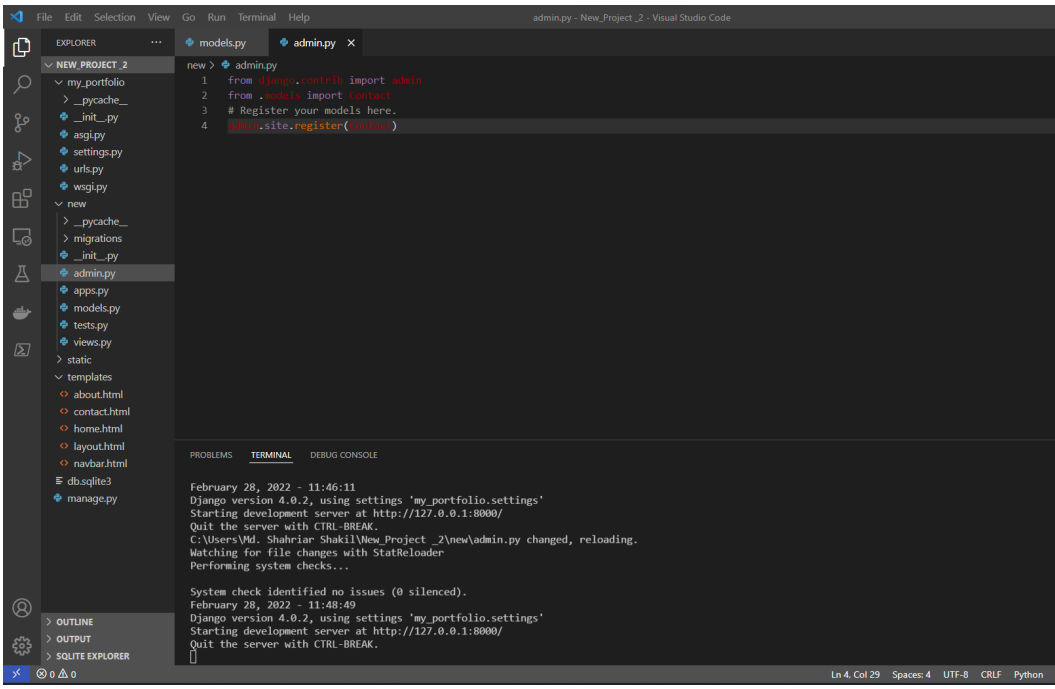


        iv. Go to our app **new>admin.py-**
            1. Import our Contact class

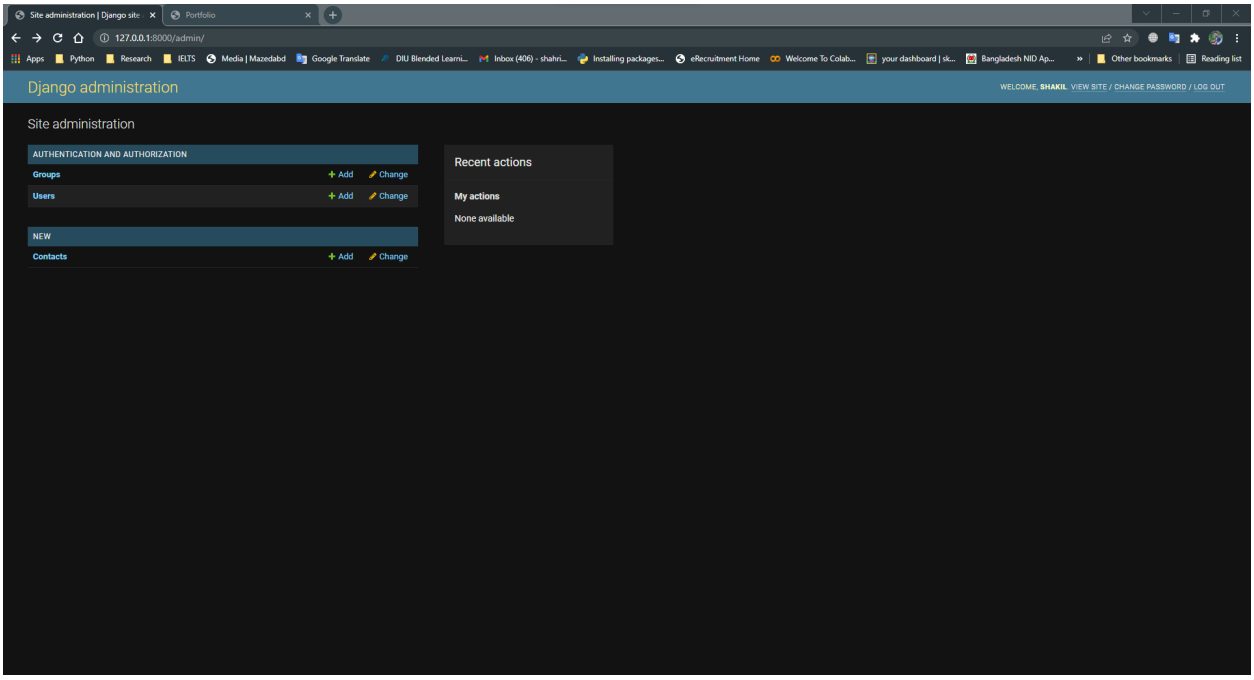
```
from .models import Contact
```

            2. Then register our model

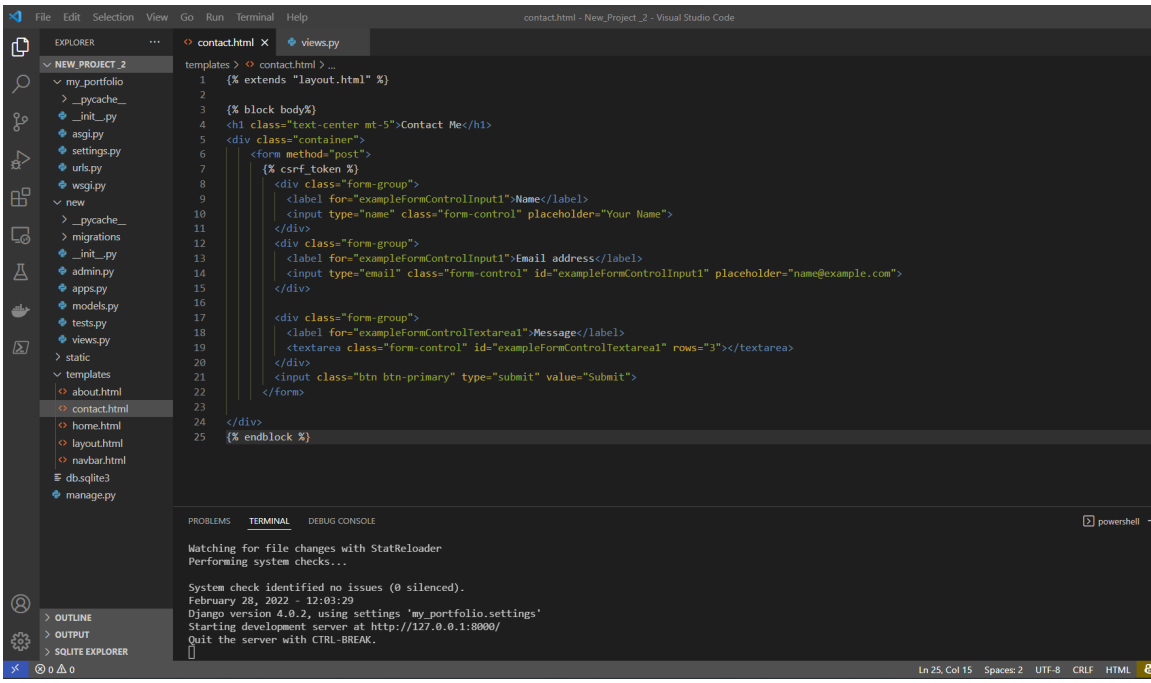
```
admin.site.register(Contact)
```



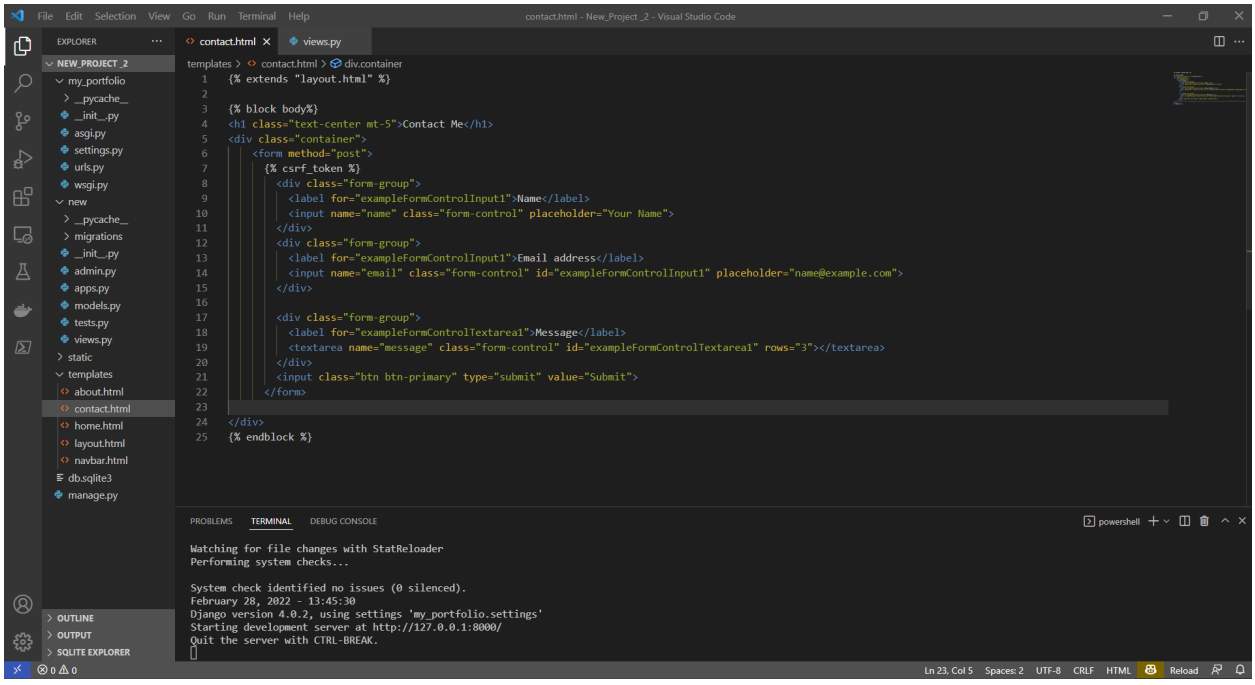
b. Our admin page looks like this-



3. Now we save names, emails & messages through contact form into our database.
   a. Go to contact.html-
      i. Inside the form tag add `method="post"`
      ii. Also add `{% csrf_token %}`



b. Change the type into name. Now it looks like-



c. Final code for contact.html replace previous code with this code (click here)

4. Go to **new>views.py**-
   a. Import Contact class from models

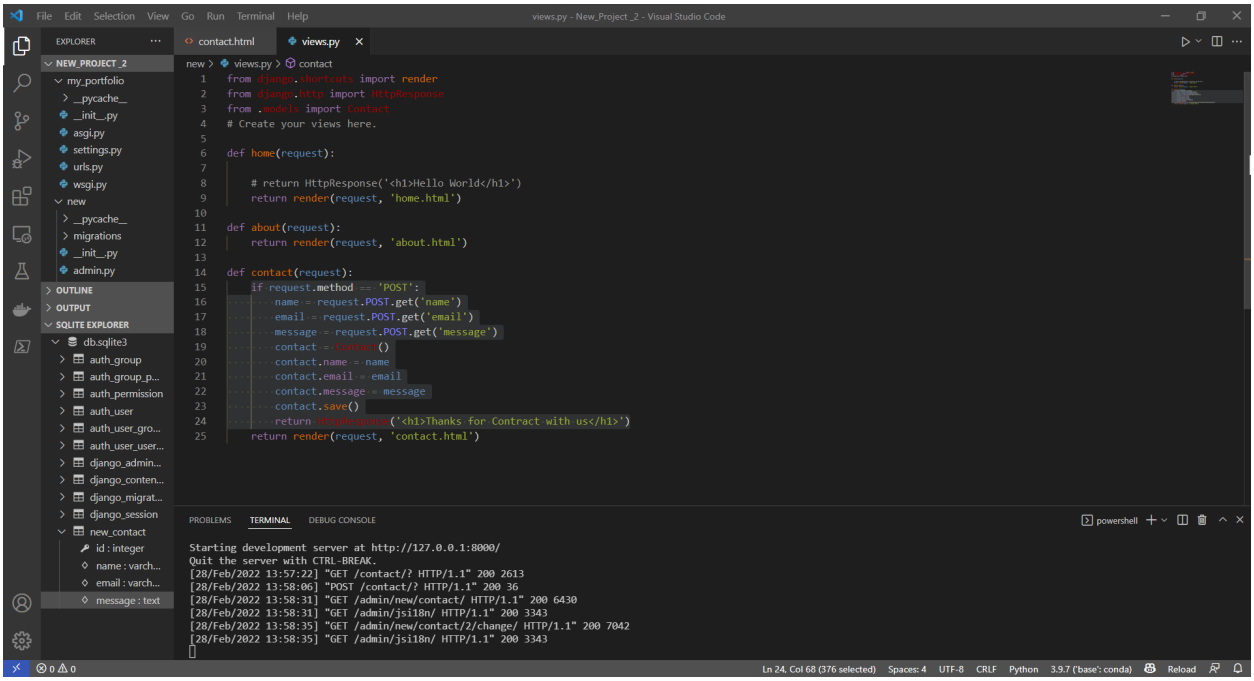
```
from .models import Contact
```

   b. Inside the contact, function paste this code-

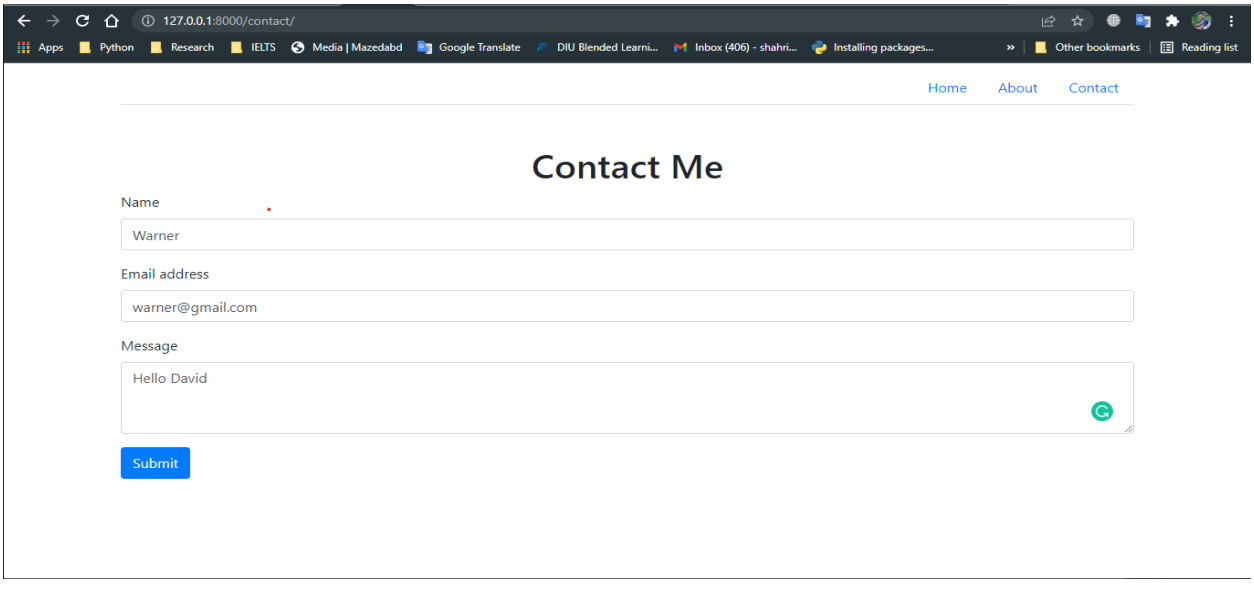
```
if request.method == 'POST':
```

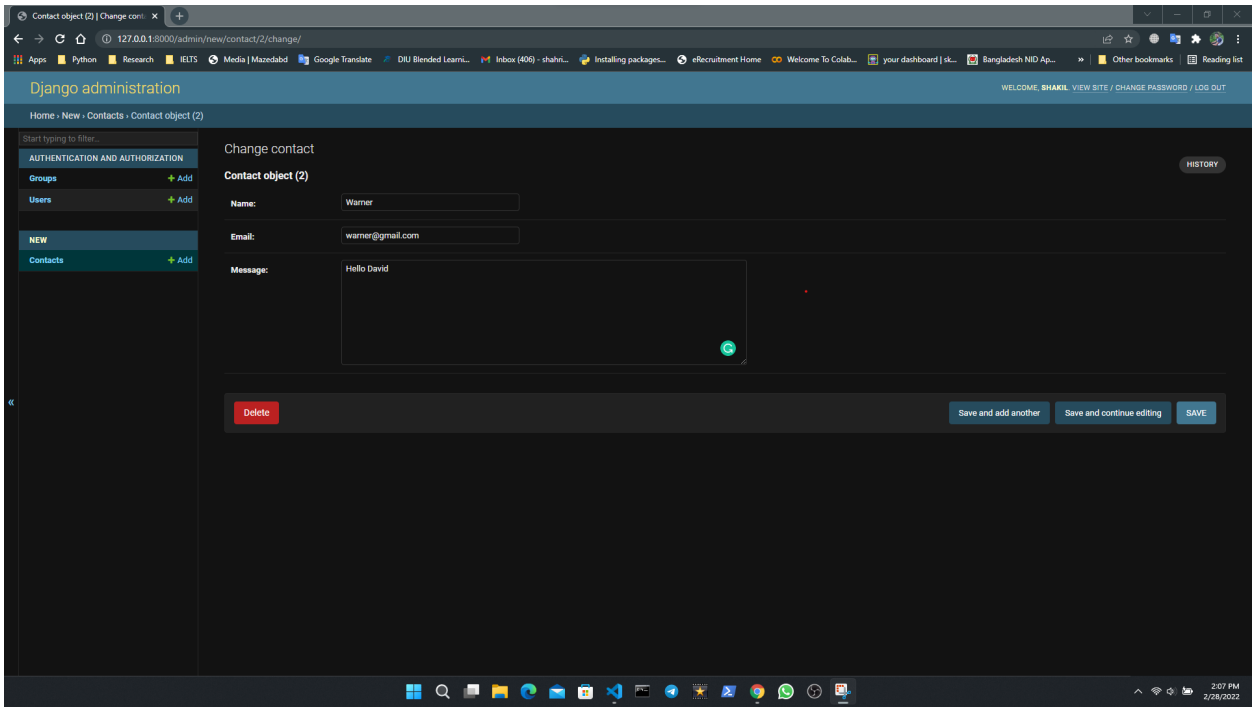
```
        name = request.POST.get('name')
        email = request.POST.get('email')
        message = request.POST.get('message')
        contact = Contact()
        contact.name = name
        contact.email = email
        contact.message = message
        contact.save()
        return HttpResponse('<h1>Thanks for Contract with
us</h1>')
```

c. Now it looks like this-



5. Great! Now we start the runserver and go to http://127.0.0.1:8000/contact/ and submit data





6. If we check admin page we find those data that we submit in contact form.

Congratulations! We successfully save data into the database.
Thanks, everyone